03 Ponder: Check Your Understanding

- Due May 11 at 11:59pm
- Points 20
- Questions 10
- Time Limit None
- Allowed Attempts 3

Instructions

- **Task:** Demonstrate what you know about variables.
- **Purpose:** Read a code segment and predict the outcome/output.

Instructions

- Complete the following quiz.

Attempt History

	Attempt	Time	Score
KEPT	**Attempt 3**	2 minutes	20 out of 20
LATEST	**Attempt 3**	2 minutes	20 out of 20
	Attempt 2	3 minutes	18 out of 20
	Attempt 1	9 minutes	14 out of 20

ⓘ Correct answers are hidden.

Score for this attempt: 20 out of 20
Submitted May 11 at 2:05pm
This attempt took 2 minutes.

⠿

Question 1

2 / 2 pts

Strings can contain numbers?

- ⦿ True

- ◯ False

⠿

Question 2

2 / 2 pts

Predict the output of the following code:

```
x = 2
y = 3
z = 4

w = x + y * z
```

```
    print(w)
```

○ 9

◉ 14

○ 20

○ 24

⣿

Question 3

2 / 2 pts

Predict the output of the following code. Assume the user enters 5 and 2.5 when prompted.

```
x = input("First: ")
y = input("Second: ")

z = x + y

print(z)
```

○ 5

○ 2.5

○ 7.5

◉ 52.5

⣿

Question 4

2 / 2 pts

Which of the following follows our style for a variable name with multiple words:

◉ egg_carton_count

○ eggCartonCount

○ eggcartoncount

○ egg carton count

⣿

Question 5

2 / 2 pts

Which of the following correctly prints the value of the variable "color" in this string?

○ print("The color is {color}")

○ print("The color is [color]")

◉ print(f"The color is {color}")

○ print(f"The color is [color]")

⣿

Question 6

2 / 2 pts

What is a limitation of ints compared to floats?

○ There is no difference

○ ints can only hold small numbers

◉ ints can only hold whole numbers (i.e., no decimals)

○ ints can only hold positive numbers

⠿

Question 7

2 / 2 pts

What is the output of the following code:

```
dolls = 5

print("There are " + dolls + " dolls")
```

○ There are dolls

○ There are 5 dolls

○ There are 5.0 dolls

◉ An error occurs

⠿

Question 8

2 / 2 pts

Once set, variables cannot be changed to a different value (e.g., if x is set to 5 it cannot be later set to 6)

○ True

◉ False

⠿

Question 9

2 / 2 pts

Once set, variables cannot be changed to a different type of data (e.g. if x is set to 5 it cannot be later set to "John")

○ True

◉ False

⠿

Question 10

2 / 2 pts

What does the % operator do?

○ Divides two numbers and returns the result

○ Divides two numbers and drops the remainder

◉ Divides two numbers and returns the remainder

○ Combines two strings together.

Quiz Score: 20 out of 20